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United States Department of Commerce  
Technology Administration  
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*NIST Special Publication 884*

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## *Abstract and Index Collection in the Research Information Center of the National Institute of Standards and Technology*

*Diane Cunningham*

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1995

**T**he National Institute of Standards and Technology was established in 1988 by Congress to “assist industry in the development of technology . . . needed to improve product quality, to modernize manufacturing processes, to ensure product reliability . . . and to facilitate rapid commercialization . . . of products based on new scientific discoveries.”

NIST, originally founded as the National Bureau of Standards in 1901, works to strengthen U.S. industry’s competitiveness; advance science and engineering; and improve public health, safety, and the environment. One of the agency’s basic functions is to develop, maintain, and retain custody of the national standards of measurement, and provide the means and methods for comparing standards used in science, engineering, manufacturing, commerce, industry, and education with the standards adopted or recognized by the Federal Government.

As an agency of the U.S. Commerce Department’s Technology Administration, NIST conducts basic and applied research in the physical sciences and engineering, and develops measurement techniques, test methods, standards, and related services. The Institute does generic and precompetitive work on new and advanced technologies. NIST’s research facilities are located at Gaithersburg, MD 20899, and at Boulder, CO 80303. Major technical operating units and their principal activities are listed below. For more information contact the Public Inquiries Desk, 301-975-3058.

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- Quality Programs
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- Standards Services
- Technology Commercialization
- Measurement Services
- Technology Evaluation and Assessment
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### **Materials Science and Engineering Laboratory**

- Intelligent Processing of Materials
- Ceramics
- Materials Reliability<sup>1</sup>
- Polymers
- Metallurgy
- Reactor Radiation

### **Chemical Science and Technology Laboratory**

- Biotechnology
- Chemical Kinetics and Thermodynamics
- Analytical Chemical Research
- Process Measurements<sup>2</sup>
- Surface and Microanalysis Science
- Thermophysics<sup>2</sup>

### **Physics Laboratory**

- Electron and Optical Physics
- Atomic Physics
- Molecular Physics
- Radiometric Physics
- Quantum Metrology
- Ionizing Radiation
- Time and Frequency<sup>1</sup>
- Quantum Physics<sup>1</sup>

### **Manufacturing Engineering Laboratory**

- Precision Engineering
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- Manufacturing Systems Integration
- Fabrication Technology

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- Microelectronics
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- Electricity
- Semiconductor Electronics
- Electromagnetic Fields<sup>1</sup>
- Electromagnetic Technology<sup>1</sup>
- Optoelectronics<sup>1</sup>

### **Building and Fire Research Laboratory**

- Structures
- Building Materials
- Building Environment
- Fire Safety
- Fire Science

### **Computer Systems Laboratory**

- Office of Enterprise Integration
- Information Systems Engineering
- Systems and Software Technology
- Computer Security
- Systems and Network Architecture
- Advanced Systems

### **Computing and Applied Mathematics Laboratory**

- Applied and Computational Mathematics<sup>2</sup>
- Statistical Engineering<sup>2</sup>
- Scientific Computing Environments<sup>2</sup>
- Computer Services
- Computer Systems and Communications<sup>2</sup>
- Information Systems

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<sup>1</sup> At Boulder, CO 80303.

<sup>2</sup> Some elements at Boulder, CO 80303.



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# *Abstract and Index Collection in the Research Information Center of the National Institute of Standards and Technology*

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Diane Cunningham

Office of Information Services  
National Institute of Standards and Technology  
Gaithersburg, MD 20899-0001

(Supersedes NIST Special Publication 859)

May 1995



**U.S. Department of Commerce**  
Ronald H. Brown, Secretary

**Technology Administration**  
Mary L. Good, Under Secretary for Technology

**National Institute of Standards and Technology**  
Arati Prabhakar, Director

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## PREFACE

This publication lists the major abstracts and indexes available in the collection of the Research Information Center (RIC) of the National Institute of Standards and Technology (NIST). It supersedes and revises NIST Special Publication 859, which is dated January 1994. Entries in the main index, which are arranged alphabetically, include the current title of the abstract or index, RIC's holdings, major sources used to compile information, publisher or publishing association, corresponding RIC online database with CD-ROM availability, RIC call number, and collection/area designation.

Unless otherwise designated, abstracts and indexes are located in the "Abstracts" section on the first floor of the RIC. Other areas and locations which include selected abstracts and indexes are designated by the following:

BIOG=located in the Biography section

IGA =located in the Intergovernmental Affairs Collection

M =located in the Microform Collection

NIST =located in the NIST Reports Collection

NCC =located in the Noncurrent Collection

REF =located in Extended Reference area, check at reference desk for location

In addition to being listed by current title, abstracts and indexes are grouped in a general subject index. They are also listed by their former titles and by their database names.

I wish to thank Karen J. Wick for her able assistance and diligence in preparing this publication.

Diane Cunningham  
Office of Information Services



**CONTENTS**

Preface. ....	Page iii
Abstracts/Indexes .....	1
Noncurrent Collection .....	19
General Subject Index.....	20
Former Title/Database Name Index .....	27





# ABSTRACT AND INDEX COLLECTION IN THE RESEARCH INFORMATION CENTER OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

## ABSTRACTS/INDEXES

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
ACM GUIDE TO COMPUTING LITERATURE	Index to the literature of computing and related disciplines	Association for Computing Machinery (ACM)	QA 76 .C62
1977–	Journals, Books, Proceedings, Reports, Theses	MATHSCI*	
ASCE ANNUAL COMBINED INDEX	Index to publications of the American Society of Civil Engineers	The American Society of Civil Engineers (ASCE)	TA 1 .A58A48
1975–	Journals, Proceedings, Books	–	
ASFA MARINE BIOTECHNOLOGY ABSTRACTS	Marine applications for biotechnology in aquaculture, phamacotherapy, and environmental management	Cambridge Scientific Abstracts	TP 248.27 .M37A84
v. 5, 1993–	Journals, Proceedings, Reports, Books, Patents	–	
ABSTRACT JOURNAL IN EARTHQUAKE ENGINEERING	Comprehensive literature in earthquake hazard mitigation	Earthquake Engineering Research Center	TA 658.44 .A25
v. 1, 1971–	Journals	–	
AGRICULTURAL & ENVIRON- MENTAL BIOTECHNOLOGY ABSTRACTS	Biotechnology research in plant genome studies, the food industry, agricultural products, and environmental protection	Cambridge Scientific Abstracts	S 494.5 .B563
v. 1, 1994–	Journals, Proceedings, Reports, Books, Patents	–	
AMERICAN STATISTICS INDEX: INDEXES/ABSTRACTS	Index and abstracts to statistical publications of the U.S. government	Congressional Information Service (CIS)	HA 195 .A52
1995–	Journals, Reports	ASI	

\* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
ANALYTICAL ABSTRACTS	International literature dealing with all branches of analytical chemistry	The Royal Society of Chemistry (U.K.)	QD 71 .A49
v. 1, 1954–	Journals	ANALYTICAL ABSTRACTS*	
APPLIED MECHANICS REVIEWS	International literature in engineering sciences	American Society of Mechanical Engineers (ASME)	TA 1 .A63953
v. 1, 1948–v. 40, 1987; v. 45, 1992–	Journals, Books	–	
APPLIED SCIENCE AND TECHNOLOGY INDEX	Cumulative subject index to English language journals in the fields of aeronautics and space science, computer technology, chemistry, construction, energy resources, electricity and electronics, engineering, industrial and mechanical arts, etc.	H. W. Wilson Co.	Z 7913 .I7
v. 1, 1913–	Journals	WILSON APPLIED SCIENCE AND TECHNOLOGY INDEX	
ASTRONOMY AND ASTROPHYSICS ABSTRACTS	Worldwide astronomical publications	Astronomisches Rechen-Institut/ (Germany)/Springer Verlag	QB 1 .A862
v. 1, 1969–	Journals	–	
AUSTRALIAN SCIENCE INDEX	Scientific and technical literature published in Australian journals	Commonwealth Scientific and Industrial Research Organization (CSIRO) (Australia)	M
v. 22, 1978–v. 27, 1983	Journals	–	
BIOGRAPHY INDEX	Cumulative index to biographical material	H. W. Wilson Co.	Z 5301 .B5 BIOG
v. 1, 1949–v. 41, 1987	Books, Periodicals	–	
BIOTECHNOLOGY RESEARCH ABSTRACTS	Literature concerning all aspects of biotechnology	Cambridge Scientific Abstracts	TP 248.2 .B582
v. 3, 1986–v. 9, 1992	Journals	–	

\* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
BRITISH CERAMIC ABSTRACTS	International literature of ceramics	British Ceramic Research Ltd.	TP 785 .B58
1978-1988	Patents, Journals	-	
BUILDING SCIENCE ABSTRACTS	Literature of materials, design, and building research	Her Majesty's Stationery Office	TH 1 .G7
v. 1, 1925-v. 49, 1976	Journals, Reports	-	
BUSINESS PERIODICALS INDEX	Index to journals in the fields of accounting, advertising, banking and finance, business, insurance, labor and management, taxation, personnel administration, etc.	H. W. Wilson Co.	HF 5001 .B8
v. 1, 1958-	Journals	WILSON BUSINESS PERIODICALS INDEX	
CA REVIEWS INDEX (CARI)	A key word in context (KWIC) index to all reviews that appear in CHEMICAL ABSTRACTS	Royal Society of Chemistry	QD 1 .A5124 (Shelved with CHEMICAL ABSTRACTS)
v. 86, 1977-v. 97, 1982	Journals	-	
CIS INDEX/ANNUAL	Index to congressional publications	Congressional Information Service (CIS)	KF 49 .C621 IGA
1970-	Hearings, Public Laws, Reports, Bills	CIS	
CSIRO ABSTRACTS (Commonwealth Scientific and Industrial Research Organization)	Abstracts of CSIRO published papers and translations	CSIRO Central Information (Australia)	Q 4 .A9
v. 1, 1952-v. 22, 1974	Journals, Reports, Proceedings	-	
CSIRO INDEX	Index of CSIRO published papers and translations	CSIRO Central Information (Australia)	Q 179.9 .A9 (M-Later years only)
1975-1986	Journals, Translations, Reports	-	



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CERAMIC ABSTRACTS	International literature of ceramics	American Ceramic Society	TP 785 .A64
v. 1, 1922–	Journals, Patents, Books	CERAMIC ABSTRACTS	
CHEMICAL ABSTRACTS	Comprehensive worldwide literature of chemistry, including biochemistry and chemical engineering	American Chemical Society	QD 1 .A51 (Located after unbound journals in back of RIC)
v. 1, 1907–	Journals, Patents, Books, Reviews	CHEMICAL ABSTRACTS*	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series I: Mathematics, Astronomy, Physics	English abstracts of scientific and technical periodicals in China	International Information Service, Ltd. (Hong Kong)	Q 1 .C45
v. 2, 1981–v. 8, 1987	Periodicals	–	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series II: Chemistry, Earth Science, Energy Sources	English abstracts of scientific and technical periodicals in China	International Information Service, Ltd. (Hong Kong)	Q 1 .C455
v. 6, 1985–v. 8, 1987	Periodicals, Proceedings	–	
CHINA SCIENCE AND TECHNOLOGY ABSTRACTS Series III: Industrial Technology	Comprehensive index to articles in Chinese scientific and technical publications	International Information Service, Ltd. (Hong Kong)	Q 1 .C46
v. 2, 1981; v. 5, 1984–v. 8, 1987	Periodicals	–	
CHINESE SCIENCE ABSTRACTS Part A: Mathematics, Mechanics, Astronomy and Space, Physics, Technical Sciences	Abstracts of important scientific articles from the Chinese literature	Science Press (Beijing)	Q 1 .C42
1982–1989	Periodicals, Proceedings	–	
CHINESE SCIENCE ABSTRACTS Part B: Chemistry, Life Sciences, Earth Sciences	Abstracts of important scientific articles from the Chinese literature	Science Press (Beijing)	Q 1 .C44
1982–1989	Periodicals, Proceedings	–	

\* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CIVIL ENGINEERING HYDRAULICS ABSTRACTS	Worldwide literature of applied fluid mechanics	BHRA (The British Hydro-mechanics Research Association)	TC 1 .C15
v. 3, 1970–v. 20, 1987	Journals, Reports, Proceedings	FLUIDEX	
COMPUTER ABSTRACTS	International literature on computer applications	MCB University Press, Ltd.	QA 76 .C549
v. 4, 1960–	Journals, Reports, Patents, Books	–	
COMPUTER AND CONTROL ABSTRACTS (SCIENCE ABSTRACTS Series C)	Worldwide coverage of the literature of all aspects of computers and control	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	TJ 212 .C61
v. 1, 1966–	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC*	
COMPUTER LITERATURE INDEX	A subject/author index to computer and data processing	Applied Computer Research, Inc.	QA 76 .C565
v. 13, 1983–	Journals	–	
COMPUTING REVIEWS	Critical reviews of the current publications in any area of the computing sciences	Association for Computing Machinery (ACM)	QA 76 .C6
v. 1, 1960–v. 22, 1981; v. 26, 1985–	Books, Journals, Proceedings	MATHSCI*	
CONCRETE ABSTRACTS	International literature of developments in concrete and concrete technology	American Concrete Institute	TA 439 .C56
v. 3, 1974–	Journals, Reports, Books	–	
CONSUMERS INDEX TO PRODUCT EVALUATIONS AND INFORMATION SOURCES	Index to product evaluations and general consumer information	Pierian Press	TS 156.25 .C65
v. 4, 1976–v. 17, 1989	Journals	–	

\* Some years are available in CD-ROM format.



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
CORROSION ABSTRACTS	Worldwide corrosion control literature	National Association of Corrosion Engineers (NACE) International	TA 462 .C652
v. 1, 1962–	Journals, Proceedings, Reports	–	
CORROSION CONTROL ABSTRACTS	Translation of Russian journal on corrosion and protection against corrosion	Scientific Information Consultants Ltd. (U.K.)	TA 462 .C654
1969–1987	Journals, Patents	–	
CUMULATIVE INDEX TO ASCE PUBLICATIONS	Index to the publications of the American Society of Civil Engineers	American Society of Civil Engineers	TA 1 .A58A5
1961–1974	Journals, Proceedings	–	
CUMULATIVE INDEX TO ENTIRE IEEE GROUP TRANSACTIONS/JOURNALS	Index to the publications of the Institute of Electrical and Electronics Engineers	Nichigai Associates, Inc.	TK 7800 .I51
1948–1971	Journals	–	
CURRENT INDEX TO STATISTICS; APPLICATIONS, METHODS AND THEORY	Comprehensive coverage of statistics, its applications, methods, and theory	American Statistical Association and Institute of Mathematical Statistics	HA 1 .C9
v. 1, 1975–	Journals	MATHSCI*	
CURRENT PHYSICS INDEX	International literature concerning all aspects of physics research and index to CURRENT PHYSICS MICROFORM	American Institute of Physics (AIP)	QC 1 .C786
v. 1, 1975–	Journals	SPIN	
CURRENT TECHNOLOGY INDEX	Subject guide to the literature in British technical journals	Bowker-Saur Ltd.	T 1 .C8
v. 3, 1964–	Journals	–	
DIRECTORY OF PUBLISHED PROCEEDINGS	Bibliography citing published proceedings	InterDok Corp.	Z 7409 .D56
v. 1, 1964–	Proceedings	DOPP	REF

\* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
DISSERTATION ABSTRACTS INTERNATIONAL	Abstracts of international doctoral dissertations from participating universities; master's dissertations for later years	University Microfilms International	Z 5053 .D5 (M-Scattered years)
1861-	Dissertations	DISSERTATION ABSTRACTS ONLINE	
EI ENGINEERING CONFERENCE INDEX	International engineering conference literature	Engineering Information, Inc.	Z 5851 .E6
1983-1984	Proceedings	COMPENDEX*	
ELECTRICAL AND ELECTRONICS ABSTRACTS (SCIENCE ABSTRACTS Series B)	International literature covering all aspects of electrical and electronics engineering	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.	Q 1 .S331 (earlier years-NCC)
v. 1, 1898-	Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC*	
ELECTROANALYTICAL ABSTRACTS	International journal dealing with the documentation of all aspects of fundamental, physico-chemical and analytical electro-chemistry	Birkhäuser Verlag (Switzerland)	QD 551 .J62
v. 1, 1963-v. 23, 1985	Journals, Reviews, Books	-	
ELECTRONICS AND COMMUNICATIONS ABSTRACTS	Worldwide publications in electronics and communications	Multi-Science Pub. Co. Ltd. (U.K.)	TK 5101 .A1E48
v. 1, 1961-v. 33, 1993	Journals, Proceedings, Unpublished Reports	-	
ENGINEERING DATA BANK ABSTRACTS/INDEX OF REPORTS	Engineering evaluation and qualification test reports, non-standard parts justification data, parts/materials specifications, manufacturing processes, etc.	Government Industry Data Exchange Program (GIDEP)	TS 170 .E5
1977-1988	Reports, Technical Data	GIDEP	

\* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
ENGINEERING INDEX	Transdisciplinary index to the world's engineering literature	Engineering Information, Inc.	Z 5851 .E62
v. 1, 1884–	Journals, Conference Papers	COMPENDEX*	
FAILURE EXPERIENCE DATA BANK SUMMARY	Data on failure information generated whenever significant problems are identified on parts, materials, or safety	Government Industry Data Exchange Program (GIDEP)	TS 173 .F3
1978–1987	Reports, Technical Data	GIDEP	
FOREIGN TECHNOLOGY UPDATE	Listing of current technical foreign reports available from the National Technical Information Service	National Technical Information Service (NTIS)	T 1 .F51
1984–	Reports	NTIS*	
GAS ABSTRACTS	Selected literature on natural and manufactured gas and petroleum production	Institute of Gas Technology	TP 700 .G13
v. 1, 1945– v. 38, 1982	Journals, Patents, Proceedings	–	
GAS & LIQUID CHROMATOGRAPHY LITERATURE	International literature on gas and liquid chromatography	Preston Publications	QD 1 .A1G31
v. 1, 1992–	Journals	–	
GAS CHROMATOGRAPHY LITERATURE, ABSTRACTS AND INDEXES	International literature on gas chromatography	Preston Publications	QD 1 .A1G3
v. 2, 1969–v. 24, 1991	Journals, Conference Papers	–	
GIDEP INDEX OF REPORTS	Index to reports from the Government Industry Data Exchange Program	Government Industry Data Exchange Program (GIDEP)	TS 170 .E52
1990–1993	Reports	GIDEP	

\* Some years are available in CD-ROM format.



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
GOVERNMENT REPORTS ANNOUNCEMENTS AND INDEX	Listing of government and government-sponsored research and development reports	National Technical Information Service (NTIS)	Z 7916 .B47
v. 1, 1946–	Reports, Journals, Proceedings	NTIS*	
INDEX OF MATHEMATICAL PAPERS	An author and subject index of all papers and books reviewed in MATHEMATICAL REVIEWS	American Mathematical Society	QA 1 .M762
v. 1, 1970–v. 9, 1979	Journals, Books	MATHSCI*	
INDEX TO IEEE PUBLICATIONS	Index to the publications of the Institute of Electrical and Electronics Engineers	Institute of Electrical and Electronics Engineers (IEEE)	TK 7800 .I495
1973–	Journals, Standards, Proceedings	–	
INDEX TO SCIENTIFIC AND TECHNICAL PROCEEDINGS	Multidisciplinary listing of published proceedings	Institute for Scientific Information (ISI)	Q 158.5 .I5 REF
1978–	Proceedings	–	
INDEX TO SCIENTIFIC BOOK CONTENTS	Index to the chapters in scientific books	Institute for Scientific Information (ISI)	Z 7401 .I45
1986–1987	Books	–	
INDEX TO SCIENTIFIC REVIEWS	International interdisciplinary index to the review literature of science, medicine, agricultural sciences, technology, and the behavioral sciences	Institute for Scientific Information (ISI)	Z 7401 .I5
v. 1, 1975–1987	Journals	–	
INDEX TO STATISTICS AND PROBABILITY	International literature of statistics and probability	R & D Press	Z 6654 .M33T84
1973–1975	Journals	MATHSCI*	

\* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
INFORMATION SCIENCE ABSTRACTS	International literature in the fields of information science, documentation, and related areas	Plenum Pub. Corp.	Z 699 .A115
v. 1, 1966-	Books, Journals, Conference Proceedings, Reports, Patents	INFORMATION SCIENCE ABSTRACTS	
INIS ATOMINDEX (International Nuclear Information System)	International literature of nuclear science relating to its peaceful applications	International Atomic Energy Agency (Austria)	QC 770 .I2
v. 6, 1975-	Reports, Journals, Theses, Proceedings	ENERGY SCIENCE AND TECHNOLOGY	
INTERNATIONAL ABSTRACTS IN OPERATIONS RESEARCH	Worldwide literature in operations research	Macmillan Press Ltd.	T 58 .A215
v. 1, 1961-	Journals	-	
INTERNATIONAL AEROSPACE ABSTRACTS	Comprehensive international literature of aerospace science and technology	American Institute of Aeronautics and Astronautics, Inc.	TL 501 .I53
v. 1, 1961-v. 26, 1986	Journals, Books, Proceedings, Translations	AEROSPACE DATABASE	
INTERNATIONAL PETROLEUM ABSTRACTS	Worldwide coverage of petroleum and allied literature concerning oil field exploration and development, petroleum refining and products, and economics	John Wiley and Sons Ltd.	TN 860 .I53
v. 1, 1973-	Journals	-	
JMR ABSTRACTS	A listing of preliminary titles and abstracts scheduled to appear in JOURNAL OF MATERIALS RESEARCH	Materials Research Society	TA 401 .J6775
v. 7, 1992-v. 9, 1994	Journal	-	
JOURNAL OF CURRENT LASER ABSTRACTS	International comprehensive literature on laser theory, design, and application	Pennwell Pub. Co.	TA 1671 .J55
v. 1, 1964-	Journals, Proceedings, Reports, Patents, Dissertations, Books	-	



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
JOURNAL OF ECONOMIC LITERATURE v. 1, 1963–	Literature on economic subjects in English language journals  Book Reviews, Journals	American Economic Association  –	HB 1 .J6 (M–Earlier Years)
LIBRARY AND INFORMATION SCIENCE ABSTRACTS (LISA)  1958–1967; 1969–	International literature of library and information science  Journals	Bowker-Saur Ltd. (U.K.)  LISA	Z 671 .L617
LIBRARY LITERATURE  1921–1986	Author and subject index to materials on library and information science  Journals, Books, Pamphlets, Films, Theses	H. W. Wilson Co.  WILSON LIBRARY LITERATURE	Z 666 .S211
MATERIALS IN TRANSLATION  v. 1, 1994–	Listing of materials science translations  Translations	The Institute of Materials/ ASM International  –	QD 171 .M38
MATHEMATICAL REVIEWS  v. 1, 1940–	International coverage and reviews of the literature of mathematics  Journals, Books, Proceedings	American Mathematical Society  MATHSCI*	QA 1 .M76
MEDICAL & PHARMACEUTICAL BIOTECHNOLOGY ABSTRACTS  v. 1, 1993–	Worldwide literature on applications of biotechnology in medicine and pharmacology  Journals, Proceedings, Reports, Books, U.S. patents	Cambridge Scientific Abstracts  –	RS 380 .M43
METAL FINISHING ABSTRACTS  v. 1, 1959–v. 27, 1985	International literature of metal finishing including extensive patent information  Journals, Patents, Books, Reports	Finishing Publications Ltd. (U.K.)  –	TS 550 .M32

\* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
METALLURGICAL ABSTRACTS	International literature covering the whole field of metallurgy	The Metals and Metallurgy Trust (U.K.)	TN 1 .I58
v. 1, 1934-v. 32, 1965; v. 1, 1966-v. 2, 1967	Journals, Reports	-	
METALS ABSTRACTS INDEX	Worldwide comprehensive literature on metallurgy	The Institute of Materials (U.K.)/ ASM International	TN 1 .M5153
v. 1, 1968-	Journals, Books, Reports, Proceedings, Dissertations, Patents	METADEx	
METROLOGY DATA BANK INDEX	Index to government and industry data in metrology which is essential in research, design, development, production, and operational phases of the life cycle of systems and equipment	Government Industry Data Exchange Program (GIDEP)	QC 100.5 .U5
1976-1984	Reports, Technical Data	GIDEP	
MICROCOMPUTER ABSTRACTS	A subject index to articles in microcomputer journals	Learned Information, Inc.	QA 76.5 .M52181
v. 1, 1980-	Journals	MICROCOMPUTER ABSTRACTS	
MONTHLY CATALOG OF UNITED STATES GOVERNMENT PUBLICATIONS	Publication listings of U.S. Government agencies	U.S. Government Printing Office (GPO)	Z 1223 .A18 (M-Earlier years)
1895-1976	Reports, Books, Serials	MONTHLY CATALOG	
NASA SCIENTIFIC AND TECHNICAL PUBLICATIONS	Catalog of NASA special publications, reference publications, conference publications, and technical papers	National Aeronautics and Space Administration, Scientific and Technical Information Division	TL 521.312 .N3
1977-1986	Reports, Proceedings	-	
NATIONAL BUREAU OF STANDARDS INDEX	Index to the National Bureau of Standards (NBS) documents on file in the GIDEP Technical Library	Government Industry Data Exchange Program (GIDEP)	QC 100 .U575
1979	Reports	-	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
NUCLEAR SCIENCE ABSTRACTS  v. 1, 1948–v. 33, 1976	Worldwide comprehensive literature of nuclear science  Reports, Books, Proceedings, Patents, Journals	U.S. Department of Energy  NUCLEAR SCIENCE ABSTRACTS	QC 770 .U64
OR/MS OPERATIONS RESEARCH/MANAGEMENT SCIENCE  v. 9, 1969–v. 29, 1989	International literature of operation research and management science  Journals	Executive Sciences Institute, Inc.  –	HD 20 .06
PAIS INTERNATIONAL IN PRINT  v. 55, 1969–1991	Worldwide literature related to economic and social conditions, public administration, and international relations  Books, Pamphlets, Government Publications, Reports, Journals	Public Affairs Information Service, Inc.  PAIS	Z 7163 .P9
PHYSICS ABSTRACTS (SCIENCE ABSTRACTS Series A)  v. 1, 1898–	International literature covering the entire field of physics (incorporates PHYSICS BRIEFS from 1995–)  Journals, Reports, Books, Dissertations, Patents, Proceedings	INSPEC, Institution of Electrical Engineers (U.K.)/Institute of Electrical and Electronics Engineers, Inc.  INSPEC*	Q 1 .S311
PHYSICS BRIEFS; PHYSIKALISCHE BERICHTE  v. 1, 1920–v. 5, 1983	Worldwide literature covering all fields of physics and related topics  Journals, Books, Patents, Reports, Theses, Proceedings	Physik Verlag GmbH (West Germany)  PHYSICS BRIEFS	QC 1 .P68 (1920–1978 NCC)
PRINTED CIRCUITS AND ELECTRONICS COATINGS ABSTRACTS  v. 7, 1991–	Comprehensive world coverage of the literature of surface treatments and finishing  Journals, Patents, Standards, Books, Reports	Finishing Publications Ltd. (U.K.)  –	TK 7868 .P7P74

\* Some years are available in CD-ROM format.



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
PUBLICATIONS OF THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY	A comprehensive listing of technical publications by the U.S. National Institute of Standards and Technology (formerly National Bureau of Standards)	U.S. National Institute of Standards and Technology/GPO	QC 100 .U57 SP305 NIST
1901–	Reports, Journals, Proceedings, Patents	NTIS*	
RAPRA ABSTRACTS	World's literature in rubber, plastics, and associated fields	Rubber and Plastics Research Association of Great Britain	TS 1870 .R61
v. 2, 1924–v. 19, 1982	Journals, Patents	RAPRA ABSTRACTS	
READERS' GUIDE TO PERIODICAL LITERATURE	Cumulative author-subject index to periodicals of general interest covering a wide variety of general subjects	H. W. Wilson Co.	AI 3 .R4
v. 29, 1969–	Periodicals	WILSON READERS' GUIDE TO PERIODICAL LITERATURE	
REFERATIVNYI ZHURNAL: FIZIKA	World's literature in physics	Akademiya Nauk SSSR	QC 1 .A419
1960–1990	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: MATEMATIKA	World's literature in mathematics	Akademiya Nauk SSSR	QA 1 .A373
1966–1993	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: MEKHANIKA	World's literature in mechanics	Akademiya Nauk SSSR	QC 1 .A41
1956–1993	Journals, Books, Patents	–	
REFERATIVNYI ZHURNAL: METALLURGIYA	World's literature in metals	Akademiya Nauk SSSR	TN 1 .R4
1984–1987	Journals, Books, Patents	–	

\* Some years are available in CD-ROM format.

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
RELIABILITY— MAINTAINABILITY DATA INTERCHANGE	Reliability and maintainability data on parts, components, assemblies, equipment, etc.	Government Industry Data Exchange Program (GIDEP)	TS 173 .R45
1978–1989	Reports, Technical Data	GIDEP	
REVIEWS IN COMPLEX ANALYSIS	Reviews on complex analysis which appear in MATHEMATICAL REVIEWS	American Mathematical Society	QA 1 .M761
1980–1986	Journals	MATHSCI*	
RHEOLOGY ABSTRACTS	Worldwide literature in the science and practice of rheology	British Society of Rheology/ Pergamon Press	QC 189 .R53
v. 1, 1958–	Journals	—	
ROBOTICS ABSTRACTS	Literature on robot research, design and application in industrial and non-industrial settings	Bowker A&I Pub.	TS 191.8 .R55
v. 1, 1983–v. 8, 1990	Journals	—	
ROBOTICS TECHNOLOGY ABSTRACTS	Worldwide literature on the manufacture and use of robots	Cranfield Press (U.K.)	TS 191.8 .R64
v. 3, 1984–v. 6, 1987	Journals, Reports, Patents, Proceedings	—	
ROYAL SOCIETY OF LONDON. CATALOGUE OF SCIENTIFIC PAPERS	Index to nineteenth century scientific papers	Her Majesty's Stationery Office (HMSO) (U.K.)	Z 7403 .R88
v. 1, 1867–v. 19, 1925	Journals, Transactions	—	
SCIENCE CITATION INDEX	International interdisciplinary index to the literature of chemistry, physics, medicine, agriculture, technology, etc.	Institute for Scientific Information (ISI)	Z 7401 .S365
1945–	Journals	SCISEARCH*	

\* Some years are available in CD-ROM format.



ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
SCIENTIFIC AND TECHNICAL AEROSPACE REPORTS	Comprehensive worldwide literature on the science and technology of space and aeronautics	U.S. National Aeronautics and Space Administration (NASA)	TL 787 .U51
v. 1, 1963–v. 29, 1991	Reports, Patents, Dissertations	AEROSPACE DATABASE	
SEVENTY-SEVEN YEAR INDEX—TECHNICAL PAPERS (AMERICAN SOCIETY OF MECHANICAL ENGINEERS)	Index to the publications of the American Society of Mechanical Engineers	American Society of Mechanical Engineers	TJ 1 .A774
1880–1956	Journals	—	
SOLID STATE ABSTRACTS JOURNAL	Comprehensive coverage of the world literature on the theory, production, and use of solid state materials and devices	Cambridge Communication Corp.	TK 7800 .S42
v. 1, 1957–v. 9, 1968	Journals, Books, Reports, Patents, Dissertations, Proceedings	—	
STATISTICAL REFERENCE INDEX (SRI)	Index and abstracts to American statistical publications from private organizations and state government sources	Congressional Information Service (CIS)	HA 195 .S75
1995–	Directories, Statistical Publications	—	
STATISTICAL THEORY AND METHOD ABSTRACTS	International literature of statistical mathematics	International Statistical Institute	HA 1 .S764
v. 1, 1959–	Journals, Reports, Proceedings	—	
SURFACE TREATMENT TECHNOLOGY ABSTRACTS	International literature of metal finishing, surface-treatment, printed circuits, and electronics coatings	Finishing Publications Ltd. (U.K.)	TP 155.7 .S83
v. 28, 1986–	Journals, Patents, Books, Reports	—	
TECHNICAL BOOK REVIEW INDEX	A monthly index to book reviews of new technical, scientific and medical books covering all fields of the pure sciences, life sciences, medicine, and technology	JAAD Pub. Co.	Z 7913 .T36
v. 1, 1935–v. 54, 1988	Reviews	—	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
THEORETICAL CHEMICAL ENGINEERING	Listing of abstracts in the chemical engineering literature	The Royal Society of Chemistry (U.K.)	TP 1 .T47
v. 1, 1964–	Journals, Reports, Books	–	
TRANSLATIONS INDEX	Translations into English of technical papers on metals and materials	Institute of Metals/ASM International	QD 171 .A6
v. 1, 1977–v. 17, 1993	Journals	–	
TRANSLATIONS REGISTER INDEX	Listing of unpublished translations into English from the world literature of the natural, physical, medical, and social sciences	National Translations Center	Z 7401 .T7
v. 1, 1967–v. 20, 1986	Journals	–	
U.S. NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS. LISTS OF ITS TECHNICAL MEMORANDA, TECHNICAL NOTES, AND WAR TIME REPORTS	List of reports published by NACA (U.S. National Advisory Committee for Aeronautics)	U.S. National Advisory Committee for Aeronautics	TL 787 .U51
v. 1, 1936–v. 2, 1948	Reports	–	
U.S. NATIONAL AERONAUTICS AND SPACE ADMINISTRATION. INDEX OF NASA TECHNICAL PUBLICATIONS	Listing of unclassified NASA/ NACA technical publications	U.S. National Aeronautics and Space Administration (NASA)	Z 5063 .U592
1915–1961	Reports	–	
WORLD CERAMICS ABSTRACTS	International literature of ceramics	CERAM Research	TP 785 .W67
1978–	Patents, Journals	WORLD CERAMICS ABSTRACTS	
WORLD SURFACE COATINGS ABSTRACTS	International literature on paints, varnishes, and allied industries	Paint Research Association (U.K.)/Pergamon Press	TP 934 .R4
v. 42, 1969–v. 65, 1992	Reports, Patents, Standards, Journals	–	

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
WORLD TEXTILE ABSTRACTS	Worldwide literature of textiles and the textile industry	Elsevier Science Publishers Ltd. (U.K.)	TS 1300 .W6
v. 1, 1969–	Journals, Proceedings, Patents, Standards, Books, Reports	WORLD TEXTILES	
WORLD TRANSINDEX	Translations of literature relating to all fields of science and technology	International Translations Centre (The Netherlands)/ British Lending Library	Z 7401 .W62
1967–1982	Journals	--	
WORLD TRANSLATIONS INDEX	Translations in all fields of science and technology	International Translations Centre	Z 7401 .W63
v. 1, 1987–	Journals	–	
ZENTRALBLATT FÜR MATHEMATIK UND IHRE GRENZGEBIETE: MATHEMATICS ABSTRACTS	Worldwide literature in mathematics	Springer Verlag (Germany)	QA 1 .Z5
v. 1, 1931–v. 358, 1978	Books, Journals, Proceedings	MATH	

## NONCURRENT COLLECTION

ABSTRACT/INDEX HOLDINGS	DESCRIPTION/ SOURCES	PUBLISHER/ASSOCIATION DATABASE	CALL NUMBER
BRITISH ABSTRACTS SERIES A, B, C	International literature of all aspects of chemistry	Bureau of Abstracts (U.K.)	QD 1 .B68 NCC
1926-1953	Journals, Proceedings	-	
FIVE-YEAR INDEX TO ASTM TECHNICAL PAPERS AND REPORTS	Index to the publications of the American Society for Testing and Materials	American Society for Testing and Materials (ASTM)	TA 401 .A525 NCC
1898-1970; 1976-1980	Journals, Special Technical Publications	-	
INTERNATIONAL CATALOGUE OF SCIENTIFIC LITERATURE	International literature of all sciences	Royal Society of London	Z 7401 .I62 NCC
1901-1914	Journals	-	
JAHRBUCH ÜBER DIE FORTSCHRITTE DER MATHEMATIK	Worldwide literature of mathematics	de Gruyter (Germany)	QA 1 .J4 NCC
v. 1, 1868-v. 68, 1942	Journals, Books	-	



# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Aerospace and Aeronautical Engineering	EI Engineering Conference Index Engineering Index Government Reports Announcements and Index International Aerospace Abstracts NASA Scientific and Technical Publications Science Citation Index Scientific and Technical Aerospace Reports U.S. National Advisory Committee for Aeronautics. Lists of its Technical Memoranda, Technical Notes, and War Time Reports U.S. National Aeronautics and Space Administration: Index of NASA Technical Publications
Agriculture and Agricultural Engineering	Chemical Abstracts EI Engineering Conference Index Engineering Index Government Reports Announcements and Index Science Citation Index
Architecture and Design	EI Engineering Conference Index Engineering Index
Biography	Biography Index
Biotechnology	ASFA Marine Biotechnology Abstracts Agricultural & Environmental Biotechnology Abstracts Biotechnology Research Abstracts Medical & Pharmaceutical Biotechnology Abstracts
Building and Construction	ASCE Annual Combined Index Building Science Abstracts Concrete Abstracts Cumulative Index to ASCE Publications EI Engineering Conference Index Engineering Index
Business, Economics, Management	Business Periodicals Index Journal of Economic Literature OR/MS Operations Research/Management Science PAIS International in Print
Ceramics	British Ceramic Abstracts Ceramic Abstracts World Ceramics Abstracts
Chemistry and Chemical Engineering	Analytical Abstracts British Abstracts, Series A, B, C (NCC) British Ceramic Abstracts



## GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Chemistry and Chemical Engineering (cont'd)	CA Reviews Index Ceramic Abstracts Chemical Abstracts China Science and Technology Abstracts Series II Corrosion Abstracts Corrosion Control Abstracts EI Engineering Conference Index Electroanalytical Abstracts Engineering Index Gas Abstracts Gas & Liquid Chromatography Literature Gas Chromatography Literature, Abstracts and Indexes Government Reports Announcements and Index JMR Abstracts Nuclear Science Abstracts RAPRA Abstracts Science Citation Index Surface Treatment Technology Abstracts Theoretical Chemical Engineering World Ceramics Abstracts World Surface Coatings Abstracts
Civil Engineering	ASCE Annual Combined Index Abstract Journal in Earthquake Engineering Civil Engineering Hydraulics Abstracts Corrosion Abstracts Concrete Abstracts Cumulative Index to the ASCE Publications EI Engineering Conference Index Engineering Data Bank Abstracts/Index of Reports Engineering Index Failure Experience Data Index Government Reports Announcements and Index Reliability-Maintainability Data Interchange Science Citation Index
Computer Science	ACM Guide to Computing Literature Computer Abstracts Computer and Control Abstracts Computer Literature Index Computing Reviews Information Science Abstracts International Abstracts in Operations Research Microcomputer Abstracts OR/MS Operations Research/Management Science
Consumer Information	Consumer Index to Product Evaluations and Information Sources

# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Earth and Space	<ul style="list-style-type: none"> <li>Astronomy and Astrophysics Abstracts</li> <li>China Science and Technology Abstracts Series II</li> <li>International Aerospace Abstracts</li> <li>Science Citation Index</li> <li>Scientific and Technical Aerospace Reports</li> <li>U.S. National Aeronautics and Space Administration. Index of NASA Technical Publications</li> </ul>
Electronics and Electrical Engineering	<ul style="list-style-type: none"> <li>Cumulative Index to Entire IEEE Group Transactions/Journals</li> <li>EI Engineering Conference Index</li> <li>Electrical and Electronics Abstracts</li> <li>Electroanalytical Abstracts</li> <li>Electronics and Communications Abstracts</li> <li>Engineering Index</li> <li>Government Reports Announcements and Index</li> <li>Index to IEEE Publications</li> <li>Printed Circuits and Electronics Coatings Abstracts</li> <li>Science Citation Index</li> <li>Solid State Abstracts Journal</li> <li>Surface Treatment Technology Abstracts</li> </ul>
Energy	<ul style="list-style-type: none"> <li>Chemical Abstracts</li> <li>China Science and Technology Abstracts Series II</li> <li>Government Reports Announcements and Index</li> <li>Nuclear Science Abstracts</li> <li>Science Citation Index</li> </ul>
Environment	<ul style="list-style-type: none"> <li>Chemical Abstracts</li> <li>Engineering Index</li> <li>Science Citation Index</li> </ul>
Government Reports	<ul style="list-style-type: none"> <li>American Statistics Index</li> <li>Government Reports Announcements and Index</li> <li>Monthly Catalog of United States Government Publications</li> <li>NASA Scientific and Technical Publications</li> <li>National Bureau of Standards Index</li> <li>PAIS International in Print</li> <li>Publications of the National Institute of Standards and Technology</li> <li>Scientific and Technical Aerospace Reports</li> <li>U.S. National Advisory Committee for Aeronautics. Lists of its Technical Memoranda, Technical Notes, and War Time Reports</li> <li>U.S. National Aeronautics and Space Administration. Index of NASA Technical Publications</li> </ul>
Information Science	<ul style="list-style-type: none"> <li>Information Science Abstracts</li> <li>Library and Information Science Abstracts</li> <li>Library Literature</li> </ul>

# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Instrumentation	EI Engineering Conference Index Engineering Index
Law and Legislative Processes	CIS Index/Annual PAIS International in Print
Life Sciences/Biology	Government Reports Announcements and Index Science Citation Index
Mathematics and Statistics	American Statistics Index Current Index to Statistics Government Reports Announcements and Index Index of Mathematical Papers Index to Statistics and Probability Jahrbuch über die Fortschritte der Mathematik (NCC) Mathematical Reviews Referativnyi Zhurnal: Matematika Reviews in Complex Analysis Science Citation Index Statistical Reference Index Statistical Theory and Method Abstracts Zentralblatt für Mathematik und ihre Grenzgebiete; Mathematics Abstracts
Mechanical Engineering	Applied Mechanics Review EI Engineering Conference Index Engineering Data Bank Abstracts/Index of Reports Engineering Index Failure Experience Data Index Government Reports Announcements and Index Referativnyi Zhurnal: Mekhanika Reliability-Maintainability Data Interchange Science Citation Index Seventy-Seven Year Index—Technical Papers (American Society of Mechanical Engineers)
Medicine	Government Reports Announcements and Index Medical & Pharmaceutical Biotechnology Abstracts Science Citation Index
Metrology and Standardization	EI Engineering Conference Index Engineering Index Metrology Data Bank Index
Mining and Metallurgy	Chemical Abstracts Corrosion Abstracts Corrosion Control Abstracts

# GENERAL SUBJECT INDEX

## SUBJECT

## ABSTRACT/INDEX

Mining and Metallurgy (cont'd)

Engineering Index  
Government Reports Announcements and Index  
Metal Finishing Abstracts  
Metallurgical Abstracts  
Referativnyi Zhurnal: Metallurgiya  
Metals Abstracts Index  
Science Citation Index  
Surface Treatment Technology Abstracts  
World Surface Coatings Abstracts

Nuclear Science

Chemical Abstracts  
Engineering Index  
Government Reports Announcements and Index  
INIS Atomindex  
Nuclear Science Abstracts  
Science Citation Index

Optics

EI Engineering Conference Index  
Engineering Index  
Journal of Current Laser Abstracts  
Physics Abstracts

Paints and Protective Coatings

Surface Treatment Technology Abstracts  
World Surface Coatings Abstracts

Patents

British Ceramic Abstracts  
Ceramic Abstracts  
Chemical Abstracts  
Computer Abstracts  
Computer and Control Abstracts  
Corrosion Control Abstracts  
Electrical and Electronics Abstracts  
Gas Abstracts  
Information Science Abstracts  
Journal of Current Laser Abstracts  
Metal Finishing Abstracts  
Nuclear Science Abstracts  
Physics Abstracts  
Physics Briefs; Physikalische Berichte  
RAPRA Abstracts  
Referativnyi Zhurnal: Fizika  
Referativnyi Zhurnal: Matematika  
Referativnyi Zhurnal: Mekhanika  
Referativnyi Zhurnal: Metallurgiya  
Solid State Abstracts Journal  
Surface Treatment Technology Abstracts



# GENERAL SUBJECT INDEX

SUBJECT	ABSTRACT/INDEX
Patents (cont'd)	World Surface Coatings Abstracts World Textile Abstracts
Petroleum and Gas	Gas Abstracts International Petroleum Abstracts
Physics	Astronomy and Astrophysics Abstracts Current Physics Index INIS Atomindex JMR Abstracts Journal of Current Laser Abstracts Physics Abstracts Physics Briefs; Physikalische Berichte Referativnyi Zhurnal: Fizika Rheology Abstracts
Plastics	Chemical Abstracts RAPRA Abstracts
Public Administration	PAIS International in Print
Robotics	Robotics Abstracts Robotics Technology Abstracts
Safety Science	Failure Experience Data Index
Science and Technology/Multidisciplinary	Applied Science and Technology Index Australian Science Index CSIRO Abstracts CSIRO Index China Science and Technology Abstracts Chinese Science Abstracts Current Technology Index Dissertation Abstracts International Five-Year Index to ASTM Technical Papers and Reports (NCC) Foreign Technology Update GIDEP Index of Reports Government Reports Announcements and Index Index to Scientific and Technical Proceedings Index to Scientific Book Contents Index to Scientific Reviews International Catalogue of Scientific Literature (NCC) Metrology Data Bank Index Monthly Catalog of United States Government Publications National Bureau of Standards Index Publications of the National Institute of Standards and Technology

## GENERAL SUBJECT INDEX

### SUBJECT

### ABSTRACT/INDEX

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Science and Technology/Multidisciplinary (cont'd)

Readers' Guide to Periodical Literature  
Royal Society of London. Catalogue of Scientific Papers  
Science Citation Index  
Technical Book Review Index  
U.S. National Aeronautics and Space Administration. Index of  
    NASA Technical Publications  
World Transindex  
World Translations Index

Textile Industry

World Textile Abstracts

Translations

Materials in Translation  
Translations Index  
Translations Register Index  
World Transindex  
World Translations Index

Water Resources

Civil Engineering Hydraulics Abstracts

## FORMER TITLE/DATABASE NAME INDEX

Former Title/Database Name	See	Current Title
ASI		American Statistics Index
ASM Translation Index		Translations Index
Abstracts of Declassified Documents		Nuclear Science Abstracts
Aerospace Database		International Aerospace Abstracts Scientific and Technical Aerospace Reports
Atomic Absorption and Flame Emission Spectroscopy Abstracts		Atomic Absorption and Emission Spectrometry Abstracts
British Technology Index		Current Technology Index
CARI		CA Reviews Index
CSIRO Science Index		CSIRO Abstracts
Channel		Civil Engineering Hydraulics Abstracts
Chemical Abstracts Reviews Index		CA Reviews Index
COMPENDEX		EI Engineering Conference Index Engineering Index
Current Physics Microform		Current Physics Index
Documentation Abstracts		Information Science Abstracts
DOPP		Directory of Published Proceedings
Energy Science and Technology		INIS Atom Index
Finishing Abstracts		Metal Finishing Abstracts
FLUIDEX		Civil Engineering Hydraulics Abstracts
GIDEP		Engineering Data Bank Abstracts/Index of Reports Failure Experience Data Index GIDEP Index of Reports Metrology Data Bank Index Reliability-Maintainability Data Interchange
Industrial Arts Index		Applied Science and Technology Index
INSPEC		Computer and Control Abstracts Electrical and Electronics Abstracts Physics Abstracts

## FORMER TITLE/DATABASE NAME INDEX

Former Title/Database Name	See	Current Title
Institute of Petroleum Abstracts		International Petroleum Abstracts
Library Science Abstracts		Library and Information Science Abstracts
LISA		Library and Information Science Abstracts
MATH		Zentralblatt für Mathematik und ihre Grenzgebiete: Mathematics Abstracts
MATHSCI		ACM Guide to Computing Literature Current Index to Statistics Index of Mathematical Papers Index to Statistics and Probability Mathematical Reviews Reviews in Complex Analysis
METADEx		Metals Abstracts Index
NTIS		Government Reports Announcements and Index Publications of the National Institute of Standards and Technology
PAIS		PAIS International in Print
PAIS Bulletin		PAIS International in Print
Physikalische Berichte		Physics Abstracts Physics Briefs; Physikalische Berichte
Referativnyi Zhurnal; Korroziya i Zashchita ot Korrozii		Corrosion Control Abstracts (Translation)
SRI		Statistical Reference Index
Science Abstracts Series A		Physics Abstracts
Science Abstracts Series B		Electrical and Electronics Abstracts
Science Abstracts Series C		Computer and Control Abstracts
SCISEARCH		Science Citation Index
Semiconductor Electronics		Solid State Abstracts Journal
SPIN		Current Physics Index
STAR		Scientific and Technical Aerospace Reports
U.S. Atomic Energy Commission. Abstracts of Declassified Documents		Nuclear Science Abstracts



## FORMER TITLE/DATABASE NAME INDEX

Former Title/Database Name	See	Current Title
Wilson Business Periodicals Index		Business Periodicals Index
Wilson Readers' Guide to Periodical Literature		Readers' Guide to Periodical Literature



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